

ANNUAL INDEX

AUTHORS

- Abbas PJ**, 474
Ackermann H, 98
Adams JC, 457
Admiraal RJC, 609
Ahkee S, 208
Ahlner BH, 125
Ahmad K, 499
Alford EL, 838, 879
Al-Sarraf M, 499
Amedee RG, 49
Amesara R, 812
Angeli SI, 444
Anthony JP, 929
Aoki H, 211, 311
Aranda FI, 315
Armstrong WB, 863
Arnold WJ, suppl 164:20
Arslanoglu S, 324
Aslan T, 771
Astrachan D, 595
Ataoglu H, 434
Aviv JE, 749
- Backer CL**, 351
Baert AL, 885
Bagger-Sjoberg D, suppl 164:67
Bakaletz LO, suppl 164:13, 27, 46
Bale JF Jr, 775
Balkany T, 156
Balm AJM, 732
Baptiste KE, 383
Barenkamp SJ, suppl 164:27, 46
Barkmeier JM, 335
Barlow DW, 665
Barnes L, 525
Barsotti JB, 737
Batsakis JG, 77, 164, 244, 331, 416, 495, 578, 660, 746, 829, 911
Bauer CA, 908
Bauman NM, 301, 753
Becker SP, suppl 162
Beizai P, 975
Belser RB Jr, 849
Bély N, 822
Bengisun S, 434
Berger G, 632
Bergman NA, 483
Berke GS, 139, 758, 975
Bernardi L, 789
Bernstein JM, suppl 163:15, 31; suppl 164:27
Bielamowicz S, 139
Bleach NR, 729
Blitzer A, 749
Bluestone CD, suppl 164 (ed):6
Bough ID Jr, 328, 988
Bowen BC, 156
Bower CM, 271
Boyd EL, 498 (book review)
Bradford CR, 235
Brasnu D, 822
Braverman I, 306, 624
- Bremond D**, 615
Bressler KL, 835
Broxx JPL, 285
Browning GG, 872
Buchman CA, 59
Buhr W, 363
Bumpous JM, 294
Bundo J, 118
Burgess RC, 775
Burke D, 301
Burnett A, 628
Byskosh AT, 806
- Cake MH**, 383
Calcaterra TC, 699
Campbell KCM, 474
Canafax DM, suppl 163:11, 31; suppl 164:58
Carmichael LC, 498 (book review)
Casiano RR, 499
Casselbrant ML, suppl 164:9; 713
Cauchois R, 615
Chase C, suppl 164:67
Chijiwa K, 357
Cho K-J, 495
Choi D-J, 896
Choi SS, 271
Chole RA, suppl 163:31
Clarke RA, 201
Cleary KR, 495, 911
Clerico DM, 619
Clevens RA, 235, 408
Close LG, 952
Cohen LG, 16
Cohen P, 732
Coniglio JU, 737
Cooper DS, 937
Cotton RT, 271, 319
Cremers CWRJ, 368
Crow J, 833 (book review)
Curran P, 294
- Daly K**, suppl 163:27, 39, 62; suppl 164:9
Davis PJ, 201
Debias DA, 964
Deguchi K, 889
DeLaere PR, 215; 917 (letter to editor)
DeMaria TF, suppl 164:27, 44
DeSanto LW, 80 (book review)
Deschler DG, 929
Detar TR, 863
Deveikis JP, 408
Diamond B, 749
Disher MJ, 408
Diven WF, suppl 164:27
Doherty ET, 929
Dokianakis G, 801
Dolan KD, 72, 490
Donovan DT, 838
Doolin EJ, 36
Dorf B, 964
- Doundoulakis G**, 801
Dove H, 510
Downs MP, suppl 164:53
Doyle PJ, 916 (letter to editor)
Doyle WJ, 59; suppl 163:15; suppl 164:13, 20; 636
Drakos PE, 306
Duman Y, 324
Dunham ME, 351, 676, 835
- Eckel HE**, 31, 852
Elidan J, 306
El-Naggar AK, 578, 746, 829
Endres DR, 301
Erkan M, 771
Esclamado RM, 9, 901
Esselstyn CB, 741
Even-Chen I, 554
- Faden H**, 522; suppl 164:27
Fair-Covely R, 964
Fang S-Y, 439
Feagans LV, suppl 164:67
Feenstra L, 215; 917 (letter to editor)
Feinstein AR, 83
Ferlito A, 525
Ferrer HP, suppl 164:53
Fex S, 916 (letter to editor)
Figi FA, 249
Fireman P, 59
Flint PW, 70
Fontanel JP, 413
Fontanella S, 619
Forney LJ, suppl 164:46
Forton GEJ, 885
Frank JA, 490
Frankel A, 905
Franklin DJ, 838
Frey K, 408
Friel-Patti S, suppl 164:67
Froymovich O, suppl 163:49
Fu T-C, 817
Fu Y-S, 160
Fujita S, 719
Fujiyoshi T, 449
Fulton J, 238
- Gantz BJ**, 908
Gao F, 72
Garcia P, 54
Garvis WJ, suppl 163:43
Gasser RF, 395
Gatehouse S, 872
Gates GA, 54; suppl 163:54, 62; suppl 164:53
Giebank GS, suppl 163 (ed):5, 11, 20, 27, 31, 34, 59; suppl 164:27, 58; 812
Goksu N, 434
Goldsher M, 624
Goldstein NS, 726
Goldstein WS, 156
Gordon NA, 595

- Govaerts P, 945
 Goycoolea MV, suppl 163:46, 62;
 suppl 164:20
 Gravel JS, suppl 164:67
 Graves MC, 975
 Gray SD, 145, 510
 Greco T, 328
 Green DC, 139
 Greene CH, 964
 Gregor RT, 732
 Grieve DV, 74
 Gruber B, 905
 Guimaraes R, 822
 Güney E, 771
 Guys JM, 516.
- Habermann TM**, 843
 Hagelqvist E, 125
 Haggard MP, suppl 164:67
 Haibt G, 49
 Hain TC, 806
 Halimi P, 624, 822
 Hallett M, 16
 Halvorson DJ, 173
 Hamdan A-L, 780
 Hanamure Y, 889
 Hannley M, suppl 164:53
 Har-El G, 652
 Hartig GK, 9, 901
 Haruna S, 227
 Hast MH, 937
 Hayden F, 59
 Healy GB, 1, 167, 347, 686
 Hellström SOM, suppl 164:20, 27
 Henderson MJ, 964
 Hengesteg A, 265
 Herdman SJ, 806
 Hermans R, 885
 Hertegård S, 547
 Herzon GD, 705
 Hetherington HE, 693
 Hilgers FJM, 732
 Hillman RE, 858
 Hinderink JB, 285
 Hino T, 41
 Hirano M, 93, 357
 Hisa Y, 767
 Hoffman DS, 241
 Hoffman HT, 335
 Hogan WJ, 186
 Holinger LD, 351, 676, 835
 Holliday M, 806
 Holmquist J, suppl 164:13
 Homøe P, 469
 Hong JJ, 522
 Honjo I, suppl 164:13
 Hood L, 449
 Hopp ML, 726
 Hori F, 567
 Hosemann W, 363
 Howie VM, suppl 164:27, 58
 Hricik DE, 849
 Hsiao T-Y, 817
 Hsu M-M, 817
 Huang A, 208
 Huang H, 115
 Huang JJ, 988
- Huang T-S, 389
 Huber E, 110
 Huminer D, 135
 Hunter LL, suppl 163:34, 59, 62
 Hurtado JF, 315
 Hussl B, suppl 164:20
 Huygen PLM, 609
- Ibata Y**, 767
 Ichimiya I, 457
 Iino Y, suppl 164:67
 Ingvarsson L, suppl 164:9
 Ishihara A, 222
 Ishii T, suppl 164:20
 Ishizuka Y, 279, 421
 Iwano T, suppl 164:13
- Jacobs JR**, 499
 Jahn AF, 619
 Jefferis AF, 74
 Jerles JL, 705
 Jiang JJ, 145
 Jindal JR, 186
 Jing D, 115
 Johnson C, 652
 Johnson JT, 28
 Jonas RA, 347
 Jones DT, 1, 347
 Jones ME, 749
 Jorissen M, suppl 164:44
 Jorritsma FF, 368
 Juhn SK, suppl 163:43, 62;
 suppl 164:27, 44; 812
 Jung TTK, suppl 164:20; 896
- Kadari A**, 624
 Kaga K, 796
 Kaiser PC, 835
 Kaneko T, 41
 Karma P, suppl 164:9, 27, 53
 Karmel F, 110
 Kato H, 118
 Kaufman KR, 265
 Kawana C, 812
 Kawana M, 812
 Kawauchi H, 567
 Keen MS, 749
 Kelly SM, 510
 Kemaloglu YK, 434
 Kershisnik M, 164, 416
 Kim CS, suppl 163:43
 Kimura RS, 457
 Klein DL, suppl 164:27
 Klein JO, suppl 164:9, 67
 Klossek J-M, 413
 Kobayashi H, 959
 Kohse LM, 741
 Konno A, 41, 375
 Kreiman J, 139, 975
 Kronenberg J, 554
 Kuchar A, 110
 Küffer R, 615
 Kuhn FA, 173
 Kuijpers W, suppl 164:20, 27
 Kumazawa T, suppl 164:13
 Kuppersmith RB, 408
 Kurs-Lasky M, 713
- Kurtin PJ, 843
- Laccourreye O**, 615, 822
 Lam EWN, 490
 Laramore G, 499
 Laurenzo JF, 908
 Le CT, suppl 163:43
 Leach JL, 952
 Leaver SA, 918 (letter to editor)
 Lee NK, 952
 Lees CJ, suppl 163:43
 Leopold D, 248 (letter)
 Lepage RP, 265
 Levine S, suppl 163:27, 31
 Levit I, 576
 Levy ML, 542
 Levy R, 135
 Lewis JE, 843
 Lewis ML, 826
 Li Z, 115
 Licata AA, 741
 Lim DJ, suppl 164 (ed):6, 13, 20
 Lin C-C, 389
 Lind MG, 125
 Lindberg S, 558
 Lindstad P-Å, 547
 Lindsey D, 916 (letter to editor)
 Liou L, 983
 Liu K, 817
 Liu X, 428
 Loftus B, 732
 Lopez JJ, 315
 Louis-Borrione C, 516
 Ludlow CL, 16, 192
 Luna MA, 746
 Lundgren K, suppl 164:58
 Lung MA, 646
 Luschei ES, 817
 Lusk RP, 590
 Lynnerup N, 469
 Lyos AT, 542
- Ma D**, 115
 MacIntyre WJ, 741
 Mackay B, 416
 Maesako K, 404
 Magit AE, 915 (obituary)
 Majima Y, 222
 Malm L, suppl 164:13
 Maloney BP, 498 (book review)
 Malpica A, 542
 Maly PV, 628
 Mandel EM, 713
 Mann WJ, 49
 Manning SC, 952
 Manoukian J, 723
 Marchant CD, suppl 164:53
 Margolis RH, suppl 163:34, 59, 62
 Mark RJ, 699
 Marquet T, 945
 Martin DS, 294
 Martin JH, 749
 Martini D, 652
 Matsune S, 311
 Mattox D, 806
 Mavroudis C, 351
 Maw AR, suppl 164:58

- McCabe BF, 166 (book reviews); 444;
928 (editor's note)
McCaffrey TV, 843
McGill T, 1, 167, 686
McInnes PM, suppl 164:27
McKechie JC, 838
McKenna MJ, 826
Meiteles LZ, 149
Mens LHM, 285, 609
Menyuk P, suppl 164:67
Mevio E, 789
Meyer RD, 726
Meyerhoff WL, suppl 163:24, 31;
suppl 164:58
Michaels L, 775
Milbrath MM, 186
Milford CA, 238
Mogi G, 118, 567; suppl 164:27
Monteil J-P, 615
Montgomery WW, 858
Morizono T, suppl 164:67
Mosher HP, 919
Muchow DC, suppl 163:46
Murrah VA, 244, 660
Myer CM III, 319
Myers EN, 28
Mylanus EAM, 368
- Nagler A**, 306
Nakano K, 222
Nasri S, 758, 975
Naunton RF, suppl 164:8, 58
Neau JP, 413
Nechtman CM, 664 (book reviews)
Nelson JD, suppl 164:58
Neuman TR, 265
Neumann DR, 741
Neville MB, 753
Nomoto M, 375
Nomura Y, 959
Northern JL, suppl 164:53
Numata T, 41
- O'Connor DM**, 319
Officiers FE, 885, 945
Ogra PL, suppl 164:27
O'Halloran LR, 590
Ohlms LA, 1, 686
Ohyama M, suppl 164:13; 889
Okamura H, 767
Okazoe R, 279
O'Malley B, 658
Öncel S, 324
Ophir D, 576, 632
Or R, 306
Orvidas LJ, 843
Ostfeld EJ, suppl 164:13
Otto RA, 105
Owens JJ, 838
Ozbilen S, 434
- Pahade N**, 522
Panje WR, 693
Pankratov MM, 679
Paparella MM, 227; suppl 163:7, 31,
49, 62; suppl 164:20, 67
- Papazoglou G, 801
Pappas DG, 80, 81, 82, 248, 664, 833,
834 (book reviews); 420 (obituary)
Paradise JL, suppl 164:58
Park Y-S, 896
Parnes LS, 655
Pelton SI, suppl 164:27
Perrault DF Jr, 679
Peterson KL, 335
Piccirillo JF, 83
Pitlik S, 135
Pototschnig C, 31
Prellner K, suppl 164:27
Pribitkin EA, 988
- Quinn SJ**, 729
- Radin AL**, 964
Raff MJ, 208
Rainey CL, 705, 780
Ramirez JA, 208
Raphael Y, 149
Raslan W, 331
Rasmussen N, 469
Raymond AK, 77
Rebeiz EE, 679
Reddy KTV, 74, 238
Redleaf MI, 444, 908, 983
Reed CG, 929
Reiter D, 879
Renvall U, suppl 164:53
Rha KS, 222
Rhee C-K, 896
Rhew K, 16
Rice DH, 241, 937
Richards AES, 729
Romanczuk B, 328
Rontal E, 583
Rontal M, 583
Ruben RJ, suppl 164:53, 67
Ruchti C, 537
Ruchvarger E, 576
Runer T, 558
Ruprecht A, 490
Ryan AF, suppl 164:27, 46
Rynnel-Dagöö B, suppl 164:27
- Saah D**, 306, 487
Safadi RR, 72
Sakai CS, 105
Sakakura Y, 222, 404
Sakikawa Y, 959
Samra Z, 135
Samuelson AG, suppl 164:46
Sando I, 211, 311; suppl 164:20; 719
Sano S, 227
Sasaki CT, 83
Schachern PA, 227; suppl 163:7
Schechtman KB, 54
Schey WL, 905
Schneider I, 31
Schuller D, 499
Schwartz AJ, 487
Schwartz MR, 838
Scott CB, 499
Seki K, 421
- Selch MT, 160
Sercarz JA, 139, 699, 758, 975
Seroky JT, 59, 636
Setrakian S, 849
Sevük E, 771
Shaker R, 186
Shapiro M, 576
Shapshay SM, 679
Shigihara S, 395
Shimada K, 395
Shimizu KT, 160
Shindo M, 937
Shulkin BL, 408
Shurin PA, suppl 164:58
Sichel J-Y, 624
Siciliano D, 741
Sie KCY, 167
Singer MI, 929
Sinha U, 937
Skoner DP, 59
Skovgaard LT, 469
Smith PJ, 192
Smith RJH, 301, 753, 775
Snik AFM, 368
Solomon NP, 817
Somers T, 885, 945
Spies TH, 609
Srinath L, 208
Stanley RB, 863
Steinkogler FJ, 110
Stepnick DW, 849
Stewart IA, suppl 164:53
Stewart MG, 838
Stith JA, 294
Storper I, 699
Strauss M, 916 (letter to editor)
Streitmann MJ, 105
Sulek M, 542
Sundgren PC, 628
Suzuki H, 41
- Tadaki N**, 767
Taguchi J, 767
Takahashi H, 211, 311
Takasaka T, suppl 164:20
Takeuchi K, 404
Takeuchi Y, 41
Talavera J, 315
Tali ET, 72
Tanabe T, 705
Tanaka S, 93, 357
Tang A, 655
Teele DW, suppl 164:53
Telian SA, 9, 901
Terada N, 375
Terzakis G, 801
Testud R, 615
Thomsen J, suppl 164:58
Thumfart M, 852
Thumfart WF, 31, 852
Titze IR, 145, 817
Tomoda K, suppl 164:13
Tonkin J, 201
Toohill RJ, 186
Tos M, suppl 164:9, 58
Tran L, 699

- Triglia JM, 516
 Tzuzuku T, 796
Umeno H, 93
 Uno A, 796
 Uno T, 767
Van Blitterswijk CA, suppl 164:44
 Van Cauwenberge P, suppl 164:9, 67
 Van Damme B, 215; 917
 (letter to editor)
 Van den Broek P, 285, 609
 Vandenmarq P, 413
 Van Overbeek JJM, 178
 Van Pelt F, 16, 192
 Varvares MA, 858
 Vaughan CW, 669
 Velez FJ, 601
 Verdolini-Marston K, 335
 Verschuure H, 368
 Vinayak BC, 74, 238
 Vössing M, 852
Wagner RL, 28
 Wallace I, suppl 164:67
 Wang JCC, 646
 Wang Z, 679, 983
 Wassermann K, 852
 Watanabe N, 118
 Weber AL, 826
 Weber RS, 829
 Wee TA, 749
 Weidenbecher M, 363
 Weiner S, 70
 Weingarten K, 658
 Weiss MH, 658
 Welkoborsky H-J, 49
 Wells CK, 83
 Wenig BM, 525
 Westesson P-L, 737
 Wexler DB, 145
 Weymuller EA Jr, 499, 665
 Willner A, 601
 Wolf GT, 235, 408
 Wolf M, 554
 Wood DE, 665
 Woodson GE, 265
 Wright CG, suppl 163:24
Xu L, 428
Yamada K, 796
 Yamagishi M, 279, 421
 Yanagisawa E, 595
 Yasui Y, 222
 Ye M, 139
 Yeh J, 16
 Yeh V, 726
 Yellin SA, 658
 Yoo TJ, 449
 Young-Seidman WL, 964
 Yuch B, 70
 Yuh WTC, 72
 Yuta A, 404
Zbären P, 537
 Zealear DL, 705, 780
 Zee DS, 806
 Zeitels SM, 669
 Zeitouni AG, 723
 Zhou S, 115
 Ziegler W, 98
 Zohar Y, 916 (letter to editor)

SUBJECTS

Abscess

- Lingual abscess, 983
- Peritonsillar abscess: repeated needle aspiration versus incision and drainage, 554

Acetylcholine

- Increase or decrease in nasal airway resistance induced by acetylcholine in anesthetized dogs: vascular mechanisms, 646

Acoustic analysis

- Acoustic analysis of vocal instability in cerebellar dysfunctions, 98

Acoustic neuroma

- Comparison of cytophotometric characteristics to histology and proliferative markers in acoustic neuromas, 49
- Localizing value of optokinetic afternystagmus, 806
- Preoperatively diagnosed utricular neuroma treated by selective partial labyrinthectomy, 885

Acquired immunodeficiency syndrome

- Herpes simplex chronic laryngitis and vocal cord lesions in patient with acquired immunodeficiency syndrome, 726

Acyclovir

- Acyclovir in treatment of recurrent respiratory papillomatosis. Pilot study, 301

Adenoid

- Adenoidectomy for otitis media with effusion, suppl 163:54
- Cavernous sinus involvement from recurrent adenoid cystic carcinoma, 822
- Mycoplasma and chlamydia in adenoids and tonsils of children undergoing adenoidectomy or tonsillectomy, 135
- Possible role of adenoid mast cells in pathogenesis of secretory otitis media, 632

Advances

- Recent advances in otitis media treatment, suppl 163

Aging

- Age-related changes in pharyngeal and supraglottic sensation, 749

Airflow

- Changes in glottal area associated with increasing airflow, 139
- Comparison of aerodynamic and electroglottographic parameters in evaluating clinically relevant voicing patterns, 335

Allergy

- Effect of psychic stimulation on plasma catecholamine concentrations and nasal patency in patients with nasal allergy, 375
- Role of IgE-mediated hypersensitivity in otitis media with effusion: pathophysiologic considerations, suppl 163:15

Alzheimer's disease

- Pathology of olfactory mucosa in patients with Alzheimer's disease, 421

Amyloidosis

- Amyloidosis of larynx in child, 590

Anaerobes

- Bacteriology of chronic suppurative otitis media, 771
- Lemierre's syndrome: postanginal sepsis due to anaerobic oropharyngeal infection, 208

Anatomy

- Anatomic considerations in complications of endoscopic and intranasal sinus surgery, 105
- Anatomic relationships between Ostmann's fatty tissue and eustachian tube, 211
- Anatomy, cell biology, and pathology, suppl 164:20
- Applied anatomy of paranasal sinuses with emphasis on endoscopic surgery, suppl 162
- Localization of function in eustachian tube: hypothesis, 311

Anesthesia

- Analysis of auditory brain stem response with lidocaine injection into cerebrospinal fluid in rats, 796
- William Wright, aurist: nineteenth century pneumatic practitioner and discoverer of anesthesia, 483

Aneurysmal bone cyst

- Aneurysmal bone cysts of jaws, 164

Annals Classics

- Chronic stenosis of larynx with special consideration of skin grafting, 249
- On being a professor emeritus, 919

Anterior glottal commissure

- "External counterpressure" and "internal distention" for optimal laryngoscopic exposure of anterior glottal commissure, 669

Antimicrobials

- Antimicrobial treatment of acute otitis media, suppl 163:11
- Sustained release of antimicrobials in middle ear using biodegradable support, suppl 163:46

Arteries

- Hemodynamic changes in head and neck after ligation of unilateral carotid arteries: study using color Doppler imaging, 41
- Innominate artery compression of trachea in infants, 347
- Tracheomalacia caused by arterial compression in esophageal atresia, 516
- Unilateral lower cranial nerve palsies due to spontaneous internal carotid artery dissection, 413

Arthrogryposis multiplex congenita

- Middle ear deformity in arthrogryposis multiplex congenita, 729

Arytenoid

- Arytenoid separation for impaired pediatric vocal fold mobility, 510
- Arytenoidectomy in children, 271
- Corpectomy versus arytenoidectomy in management of bilateral vocal cord paralysis, 852
- Dynamic properties of posterior cricoarytenoid muscle, 937
- Three-dimensional motion of arytenoid adduction procedure in cadaver larynges, 265

Aspergillosis

- Rhinocerebral aspergillosis in patients undergoing bone marrow transplantation, 306

Audiology

- Audiological results of bone-anchored hearing aid HC200: multicenter results, 368
- Estimation of benefit of bone-anchored hearing aids, 872
- Identification of hearing loss in children with otitis media, suppl 163:59
- Nonsyndromic hearing loss: analysis of audiograms, 428

Auditory-evoked potentials

- Analysis of auditory brain stem response with lidocaine injection into cerebrospinal fluid in rats, 796
- Auditory effect of kanamycin given to newborn guinea pigs whose mothers received kanamycin during pregnancy, 983
- Restoration of brain stem auditory-evoked potentials by gene transfer in shiverer mice, 449

Auditory tube diverticulum

- Lipid analysis of lavage samples from equine guttural pouch (auditory tube diverticulum), 383

Bacteria

- Acute otorrhea: bacteriology of common complication of tympanostomy tubes, 713
- Bacteriology of chronic suppurative otitis media, 771
- Preliminary report on L-forms: possible role in infectious origin of serotype otitis media, 434

Balloon catheter

- Retrograde dilation of postsaccal lacrimal stenosis, 110

Bone

- Audiological results of bone-anchored hearing aid HC200:

multicenter results, 368

- Estimation of benefit of bone-anchored hearing aids, 872
- Fibrous dysplasia of temporal bone, 74
- Indium 111-labeled white blood cell scintigraphy as unreliable indicator of malignant external otitis resolution, 444
- Klippel-Feil syndrome associated with malformed larynx. Case report, 201
- Leiomyosarcoma of middle ear and temporal bone, 537
- Management of osteogenic sarcoma of maxilla, 408
- Osteoma of internal auditory canal. Case report and literature review, 619
- Osteomyelitis of mandible simulating Stafne mandibular cortical defect, 490
- Reparative cell granuloma of temporal bone, 826
- Statistical model estimating occurrence of otitis media from temporal bone pneumatization, 469

Book Reviews

- Arenberg IK, ed. *Inner Ear Surgery*, 248
- Carlyon RP, Darwin CJ, Russell IJ, eds. *Processing of Complex Sounds by the Auditory System*, 498
- Daniel RK, ed. *Aesthetic Plastic Surgery Rhinoplasty*, 498
- Ferlito A, ed. *Neoplasms of the Larynx*, 80
- Galioto GB, ed. Mevio E, Galioto P, Benazzo M, co-eds. *Tonsils: A Clinically Oriented Update*, 81
- Kartush JM, Bouchard KR, eds. *Neuromonitoring in Otolaryngology and Head and Neck Surgery*, 81
- King HC, Mabry RL. *A Practical Guide to the Management of Nasal and Sinus Disorders*, 498
- Mathog RH. *Atlas of Craniofacial Trauma*, 664
- Maxon AB, Brackett D. *The Hearing Impaired Child Infancy Through High-School Years*, 833
- Mygind N, Naclerio RM, eds. *Allergic and Non-Allergic Rhinitis: Clinical Aspects*, 833
- Nager GT. *Pathology of the Ear and Temporal Bone*, 166
- Ritter FN, Fritsch MH. *Atlas of Paranasal Sinus Surgery*, 664
- Rohen JW, Yokochi C. *Color Atlas of Anatomy*, 81
- Schatz M, Zeiger RS, eds. *Asthma and Allergy in Pregnancy and Early Infancy*, 80
- Schuknecht HF. *Pathology of the Ear*, 166
- Sharpe JA, Barber HO, eds. *The Vestibulo-Ocular Reflex and Vertigo*, 833
- Silverstein H, Rosenberg S. *Surgical Techniques of the Temporal Bone and Skull Base*, 82
- Wilson JL. *Dissection Manual: Companion to Rohen/Yokochi Color Atlas of Anatomy*, 81
- Yaremchuk MJ, Gruss JS, Manson PN, eds. *Rigid Fixation of the Craniomaxillofacial Skeleton*, 834

Botulinum A

- Treatment of dysfunction of cricopharyngeal muscle with botulinum A toxin: introduction of new, noninvasive method, 31

Bowing

- Some aspects of vocal fold bowing, 357
- Spindle-shaped glottal insufficiency with and without sulcus vocalis: retrospective study, 547

Calcification

- Metastatic calcification of true vocal cords as cause of hoarseness, 849

Carboxymethylcysteine

- Effect of S-carboxymethylcysteine on clearance of middle ear effusion. Experimental study, 567

Catecholamine

- Effect of psychic stimulation on plasma catecholamine concentrations and nasal patency in patients with nasal allergy, 375

- Caustics**
Composite reconstruction of esophagus and hypopharynx after severe caustic injury, 36
- Cell culture**
New technology: cell culture, suppl 164:44
- Cerebellar dysfunction**
Acoustic analysis of vocal instability in cerebellar dysfunctions, 98
- Cerebrospinal fluid**
Changes in cerebrospinal fluid pressure in daily life, 959
- Choriocarcinoma**
Malignant laryngeal tumors in children: 15-year experience with four patients, 686
- Cilia**
Ciliogenesis and mucus synthesis in cultured human respiratory epithelial cells, 889
Method for in vivo measurement of mucociliary activity in human nose, 558
- Circulation**
Diagnosis of cavernous sinus thrombosis by magnetic resonance imaging using flow parameters, 487
Hemodynamic changes in head and neck after ligation of unilateral carotid arteries: study using color Doppler imaging, 41
Increase or decrease in nasal airway resistance induced by acetylcholine in anesthetized dogs: vascular mechanisms, 646
Phasic changes in human nasal and skin blood flow: relationship with autonomic tone, 789
- Classification**
Identification, classification, treatment, and prognosis of laryngeal paraganglioma. Review of literature and eight new cases, 525
New clinical severity staging system for cancer of larynx. Five-year survival rates, 83
New developments in treating otitis media, suppl 163:7
Proposed grading system for subglottic stenosis based on endotracheal tube sizes, 319
- Cochlear implant**
Does intracochlear implantation jeopardize vestibular function? 609
Results from four cochlear implant patients with Usher's syndrome, 285
- Complications**
See also Sequelae
Anatomic considerations in complications of endoscopic and intranasal sinus surgery, 105
Complication of jet ventilation during microlaryngeal surgery, 624
Complications and sequelae, suppl 164:67
Does intracochlear implantation jeopardize vestibular function? 609
Effect of corticosteroid treatment on salicylate ototoxicity, 896
Pharyngocutaneous fistula after total laryngectomy: incidence, cause, and treatment, 801
Severe complications of anterior cricoid split operation and single-stage laryngotracheoplasty, 723
Tracheotomy and role of postoperative chest radiography in adult patients, 665
Tympanic membrane perforations and tympanostomy tubes, suppl 163:27
- Concha bullosa**
Massive concha bullosa masquerading as intranasal tumor, 658
- Congenital epulis**
Granular cell tumors, 416
- Corticosteroid**
Effect of corticosteroid treatment on salicylate ototoxicity, 896
- Cricoid split**
Severe complications of anterior cricoid split operation and single-stage laryngotracheoplasty, 723
- Cyst**
Nasal dermoid sinus cyst, 615
- Cytokeratin**
Cytokeratin patterns of normal middle ear epithelia in humans, cats, and chinchillas, 227
Distribution of cytokeratins in vestibular epithelium of guinea pig, 149
- Cytokine**
Determining otitis media severity from middle ear fluid analysis, suppl 163:43
- Data processing**
SuperScope II for use in electrophysiologic recordings, 70
- Dermoid cyst**
Nasal dermoid sinus cyst, 615
- Desmoid fibromatosis**
Extra-abdominal desmoid fibromatosis, 331
- Desmoplastic melanoma**, 77
- Development**
Applied anatomy of paranasal sinuses with emphasis on endoscopic surgery, suppl 162
Klippel-Feil syndrome associated with malformed larynx. Case report, 201
Management of severe congenital tracheal stenosis, 351
Postnatal development of vestibular aqueduct in relation to internal auditory canal. Computer-aided three-dimensional reconstruction and measurement study, 719
Three-dimensional development of facial nerve path through ear region in human embryos, 395
Thyroid hemiagenesis, 328
- Diverticulum**
Meditation on pathogenesis of hypopharyngeal (Zenker's) diverticulum and report of endoscopic treatment in 545 patients, 178
- DNA**
Comparison of cytophotometric characteristics to histology and proliferative markers in acoustic neuromas, 49
- Ducts**
Endoscopic endonasal dacryocystorhinostomy: results in 56 patients, 363
Retrograde dilation of postsaccal lacrimal stenosis, 110
Salivary duct carcinoma, 244
- Dysphagia**
See also Swallowing
Age-related changes in pharyngeal and supraglottic sensation, 749
Meditation on pathogenesis of hypopharyngeal (Zenker's) diverticulum and report of endoscopic treatment in 545 patients, 178
Transmucosal cricopharyngeal myotomy with potassium-titanyl-phosphate laser in treatment of cricopharyngeal dysmotility, 173

Earlobe

- Torn earlobe: new approach to management with review of 68 cases, 879

Education

- On being a professor emeritus, 919

Electrocochleography

- Electrocochleography with postural changes in perilymphatic fistula. Animal studies, 474

Electroglottography

- Comparison of aerodynamic and electroglottographic parameters in evaluating clinically relevant voicing patterns, 335

Electromyography

- Limitations of electromyography and magnetic stimulation for assessing laryngeal muscle control, 16

Endolymph

- Changes in immunostaining of cochleas with experimentally induced endolymphatic hydrops, 457
- Endolymphatic sac ballooning surgery for Meniere's disease, 389

Endoscopic Lothrop procedure

- Endoscopic resection of intranasal frontal sinus floor, 952

Endotracheal tube

- Proposed grading system for subglottic stenosis based on endotracheal tube sizes, 319

Epidemiology

- Epidemiology and natural history, suppl 164:9

Epidermolysis bullosa

- Laryngeal involvement in epidermolysis bullosa, 542

Epithelium

- Ciliogenesis and mucus synthesis in cultured human respiratory epithelial cells, 889
- Cytokeratin patterns of normal middle ear epithelia in humans, cats, and chinchillas, 227
- Distribution of cytokeratins in vestibular epithelium of guinea pig, 149
- Neutrophil oxygen metabolite inhibition of cultured chinchilla middle ear epithelial cell growth, 812
- Vascularized fascia as transferable bed for experimental laryngeal reconstruction, 215

Esophagus

- Composite reconstruction of esophagus and hypopharynx after severe caustic injury, 36
- Diagnosis and management of external penetrating cervical esophageal injuries, 863
- Gastroesophageal reflux disease as likely cause of "idiopathic" subglottic stenosis, 186
- Jejunal graft reconstruction of pharyngoesophageal defects without microvascular anastomoses, 693
- Life-threatening presentations of fibrovascular esophageal and hypopharyngeal polyps, 838
- Lymphoma involving esophagus, 843
- Tracheomalacia caused by arterial compression in esophageal atresia, 516

Eustachian tube

- Anatomic relationships between Ostmann's fatty tissue and eustachian tube, 211
- Eustachian tube and middle ear physiology and pathophysiology, suppl 164:13
- Localization of function in eustachian tube: hypothesis, 311
- Middle ear gas exchange in rhesus monkeys, 636

Exposure, laryngoscopic

- "External counterpressure" and "internal distention" for opti-

- mal laryngoscopic exposure of anterior glottal commissure, 669

Fasciitis

- Pseudosarcomatous proliferative lesions of soft tissues, 578

Fibromatosis

- Extra-abdominal desmoid fibromatosis, 331

Fibrous dysplasia

- Fibrous dysplasia of temporal bone, 74

Fistula

- Changes in cerebrospinal fluid pressure in daily life, 959
- Lymphoma involving esophagus, 843
- Pharyngocutaneous fistula after total laryngectomy: incidence, cause, and treatment, 801
- Primary closure of persistent tracheocutaneous fistula in children, 835

Flap

- Rib-muscle pedicle flap for repair of congenital tracheal stenosis, 601
- Tracheoesophageal voice following tubed free radial forearm flap reconstruction and neopharynx, 929

Foreign body

- Value of radiography in management of possible fishbone ingestion, 628

Functional electrical stimulation

- Technical approach for reanimation of chronically denervated larynx by means of functional electrical stimulation, 705

Fungus

- Rhinocerebral aspergillosis in patients undergoing bone marrow transplantation, 306

Gas exchange

- Middle ear gas exchange in rhesus monkeys, 636

Genetics

- Interleukin-8 gene expression in middle ear effusions, 404
- Nonsyndromic hearing loss: analysis of audiograms, 428
- Restoration of brain stem auditory-evoked potentials by gene transfer in shiverer mice, 449
- X-linked progressive mixed hearing loss: computed tomography findings, 655

Glând

- Distribution of substance P immunoreactive nerve fibers in tracheal submucosal gland of cats, 222
- Influence on rabbit submandibular gland injury by stimulation or inhibition of gland function during irradiation. Histology and morphometry after 15 gray, 125
- Superiority of magnetic resonance over computed tomography for imaging parotid tumor, 737
- Thyroid hemiagenesis, 328
- Transformation of mucosal secretory elements in chronic maxillary sinusitis after endoscopic sinus surgery, 439

Glomus tympanicum

- Malignant hemangioendothelioma of temporal bone masquerading as glomus tympanicum, 156

Glottis

- Changes in glottal area associated with increasing airflow, 139
- Microsurgical surgery for T1 glottic lesions: cost-effective option, 28
- Noninvasive measurement of traveling wave velocity in canine larynx, 758
- Spindle-shaped glottal insufficiency with and without sulcus vocalis: retrospective study, 547

Grafts

- Chondrogenesis by free and vascularized rabbit auricular

- perichondrium, 901
- Chronic stenosis of larynx with special consideration of skin grafting, 249
- Comparison of chondrogenic potential of free and vascularized perichondrium in airway, 9
- Fundamental frequency and amplitude perturbation in reconstructed canine vocal folds, 145
- Jejunal graft reconstruction of pharyngoesophageal defects without microvascular anastomoses, 693
- Vascularized fascia as transferable bed for experimental laryngeal reconstruction, 215
- Granular cell tumors, 416
- Granuloma
 - Reparative cell granuloma of temporal bone, 826
- Graves' disease
 - Orbital decompression for Graves' disease complicated by sinusitis, 988
- Guttural pouch
 - Lipid analysis of lavage samples from equine guttural pouch (auditory tube diverticulum), 383
- Hearing
 - Audiological results of bone-anchored hearing aid HC200: multicenter results, 368
 - Auditory effect of kanamycin given to newborn guinea pigs whose mothers received kanamycin during pregnancy, 983
 - Effect of corticosteroid treatment on salicylate ototoxicity, 896
 - Estimation of benefit of bone-anchored hearing aids, 872
 - Identification of hearing loss in children with otitis media, suppl 163:59
 - Nonsyndromic hearing loss: analysis of audiograms, 428
 - Recent advances in otitis media treatment, suppl 163
 - Results from four cochlear implant patients with Usher's syndrome, 285
 - Tympanometric evaluation of middle ear function in children with otitis media, suppl 163:34
 - X-linked progressive mixed hearing loss: computed tomography findings, 655
- Hemangioendothelioma
 - Malignant hemangioendothelioma of temporal bone masquerading as glomus tympanicum, 156
- Hemangioma
 - Interferon alfa-2a therapy for airway hemangiomas, 1
 - Subglottic hemangioma: ten years' experience with carbon dioxide laser, 167
- Herpes simplex
 - Herpes simplex chronic laryngitis and vocal cord lesions in patient with acquired immunodeficiency syndrome, 726
 - Polymerase chain reaction amplification of herpes simplex viral DNA from geniculate ganglion of patient with Bell's palsy, 775
- Histocytochemistry
 - Histocytochemistry of glycoconjugates in nasal inverted papilloma, 115
- History of medicine
 - On being a professor emeritus, 919
 - William Wright, aurist: nineteenth century pneumatic practitioner and discoverer of anesthesia, 483
- Hyalinizing cell carcinoma
 - Hyalinizing cell carcinoma of salivary origin, 746
- Hydrops
 - Changes in immunostaining of cochleas with experimentally induced endolymphatic hydrops, 457
- Endolymphatic sac ballooning surgery for Meniere's disease, 389
- Imaging
 - See also Imaging Case Study of the Month
 - Hemodynamic changes in head and neck after ligation of unilateral carotid arteries: study using color Doppler imaging, 41
 - Tracheotomy and role of postoperative chest radiography in adult patients, 665
 - Value of radiography in management of possible fishbone ingestion, 628
- Imaging Case Study of the Month
 - Abnormal enhancement in region of vestibular aqueduct on magnetic resonance imaging in cerebellopontine angle meningioma, 72
 - Cavernous sinus involvement from recurrent adenoid cystic carcinoma, 822
 - Diagnosis of cavernous sinus thrombosis by magnetic resonance imaging using flow parameters, 487
 - Fibrous dysplasia of temporal bone, 74
 - Lingual abscess, 983
 - Malignant hemangioendothelioma of temporal bone masquerading as glomus tympanicum, 156
 - Management of osteogenic sarcoma of maxilla, 408
 - Massive concha bullosa masquerading as intranasal tumor, 658
 - Orbital decompression for Graves' disease complicated by sinusitis, 988
 - Osteomyelitis of mandible simulating Stafne mandibular cortical defect, 490
 - Osteosarcoma metastatic to larynx, 160
 - Pediatric nonendemic Burkitt's lymphoma of head and neck, 238
 - Pneumocephalus following nasal polypectomy, 576
 - Pott's disease of cervical spine presenting as deep neck infection, 241
 - Preoperative imaging of parathyroid carcinoma by positron emission tomography, 741
 - Reparative cell granuloma of temporal bone, 826
 - Rickets presenting as stridor and apnea, 905
 - Saccular mucocele in association with laryngeal cancer, 732
 - Squamous cell carcinoma metastatic to cerebellopontine angle, 908
 - Superiority of magnetic resonance over computed tomography for imaging parotid tumor, 737
 - Technetium 99m(v) dimercaptosuccinic acid SPECT scintigraphy in head and neck tumors, 324
 - Tension pneumocephalus after endoscopic sinus surgery, 235
 - Thyroid hemiagenesis, 328
 - Trigeminal neurinoma, 652
 - Unilateral lower cranial nerve palsies due to spontaneous internal carotid artery dissection, 413
 - X-linked progressive mixed hearing loss: computed tomography findings, 655
- Immunity
 - Herpes simplex chronic laryngitis and vocal cord lesions in patient with acquired immunodeficiency syndrome, 726
 - Immune response to *Moraxella catarrhalis* in children with otitis media: opsonophagocytosis with antigen-coated latex beads, 522
 - Lymphocyte migration to middle ear mucosa, 118
 - Microbiology, immunology, biochemistry, and vaccination, suppl 164:27
- Immunofluorescence
 - Cytokeratin patterns of normal middle ear epithelia in humans,

- cats, and chinchillas, 227
- Immunohistochemistry**
 Changes in immunostaining of cochleas with experimentally induced endolymphatic hydrops, 457
 Comparison of cytophotometric characteristics to histology and proliferation markers in acoustic neuromas, 49
 Distribution of substance P immunoreactive nerve fibers in tracheal submucosal gland of cats, 222
 Neuropeptide participation in canine laryngeal sensory innervation. Immunohistochemistry and retrograde labeling, 767
- Inflammation**
 Determining otitis media severity from middle ear fluid analysis, suppl 163:43
 Lichen planus and lichenoid lesions of oral cavity, 495
 Orbital decompression for Graves' disease complicated by sinusitis, 988
 Pathology of otitis media, suppl 163:24
 Possible role of adenoid mast cells in pathogenesis of secretory otitis media, 632
 Role of IgE-mediated hypersensitivity in otitis media with effusion: pathophysiologic considerations, suppl 163:15
- Interytenoid notch**
 Interytenoid notch height relative to vocal folds. Pilot study, 753
- Interferon**
 Interferon alfa-2a therapy for airway hemangiomas, 1
- Interleukin-8**
 Interleukin-8 gene expression in middle ear effusions, 404
- Jaw**
 Aneurysmal bone cysts of jaws, 164
 Osteomyelitis of mandible simulating Stafne mandibular cortical defect, 490
- Jet ventilation**
 Complication of jet ventilation during microlaryngeal surgery, 624
- Joints**
 Middle ear deformity in arthrogryposis multiplex congenita, 729
- Keratoacanthoma**
 Two perplexing skin tumors: microcystic adnexal carcinoma and keratoacanthoma, 829
- L-forms**
 Preliminary report on L-forms: possible role in infectious origin of secretory otitis media, 434
- Lacrimal system**
 Endoscopic endonasal dacryocystorhinostomy: results in 56 patients, 363
- Laryngeal amyloidosis**
 Amyloidosis of larynx in child, 590
- Laryngectomy**
 Pharyngocutaneous fistula after total laryngectomy: incidence, cause, and treatment, 801
- Laryngofissure**
 Amyloidosis of larynx in child, 590
- Laryngoplasty**
 "Window" laryngoplasty: new combined laser endoscopic and open techniques for conservation surgery, 679
- Laryngoscope**
 "External counterpressure" and "internal distention" for optimal laryngoscopic exposure of anterior glottal commissure, 669
- Laryngotracheoplasty**
 Severe complications of anterior cricoid split operation and single-stage laryngotracheoplasty, 723
- Laser**
 Cordectomy versus arytenoidectomy in management of bilateral vocal cord paralysis, 852
 Healing of incisions in tongue: comparison of results with milliwatt carbon dioxide laser tissue welding versus suture repair, 964
 Microlaryngoscopic surgery for T1 glottic lesions: cost-effective option, 28
 Phasic changes in human nasal and skin blood flow: relationship with autonomic tone, 789
 Subglottic hemangioma: ten years' experience with carbon dioxide laser, 167
 Transmucosal cricopharyngeal myotomy with potassium-titanyl-phosphate laser in treatment of cricopharyngeal dysmotility, 173
 "Window" laryngoplasty: new combined laser endoscopic and open technique for conservation surgery, 679
- Leiomyosarcoma**
 Leiomyosarcoma of middle ear and temporal bone, 537
- Letters to the Editor**, 248, 916, 917, 918
- Leukoplakia**
 Proliferative verrucous leukoplakia and verrucous hyperplasia, 660
- Lichen planus**
 Lichen planus and lichenoid lesions of oral cavity, 495
- Lipid**
 Lipid analysis of lavage samples from equine guttural pouch (auditory tube diverticulum), 383
- Liposarcoma**
 Primary liposarcoma of larynx. Case report and literature review, 315
- Lymph**
 Lymphatic drainage system after left radical neck dissection, 46
- Lymphocytes**
 Lymphocyte migration to middle ear mucosa, 118
- Lymphoma**
 Lymphoma involving esophagus, 843
 Non-Hodgkin's lymphomas of nose and paranasal sinuses in pediatric population, 294
 Pediatric nonendemic Burkitt's lymphoma of head and neck, 238
 Sinonasal lymphomas, 911
- Mastoid**
 Surgical advances in treating otitis media, suppl 163:49
- Melanoma**
 Desmoplastic melanoma, 77
- Meniere's disease**
 Endolymphatic sac ballooning surgery for Meniere's disease, 389
 Preoperatively diagnosed utricular neuroma treated by selective partial labyrinthectomy, 885
- Meningioma**
 Abnormal enhancement in region of vestibular aqueduct on magnetic resonance imaging in cerebellopontine angle meningioma, 72
- Metastasis**
 Malignant laryngeal tumors in children: 15-year experience

- with four patients, 686
- Metastatic calcification of true vocal cords as cause of hoarseness, 849
- Osteosarcoma metastatic to larynx, 160
- Squamous cell carcinoma metastatic to cerebellopontine angle, 908
- Microcystic adnexal carcinoma
 - Two perplexing skin tumors: microcystic adnexal carcinoma and keratoacanthoma, 829
- Microaryngoscopy
 - Microaryngoscopic surgery for T1 glottic lesions: cost-effective option, 28
- Middle ear deformity
 - Middle ear deformity in arthrogryposis multiplex congenita, 729
- Models
 - Dynamic properties of posterior cricoarytenoid muscle, 937
 - Effect of subglottic pressure on fundamental frequency of canine larynx with active muscle tensions, 817
 - Function of interarytenoid muscle in canine laryngeal model, 975
 - Middle ear gas exchange in rhesus monkeys, 636
 - Statistical model estimating occurrence of otitis media from temporal bone pneumatization, 469
 - Three-dimensional development of facial nerve path through ear region in human embryos, 395
 - Three-dimensional motion of arytenoid adduction procedure in cadaver larynges, 265
- Molecular biology
 - New technology: molecular biology, suppl 164:46
- Morphometry
 - Anatomic relationships between Ostmann's fatty tissue and eustachian tube, 211
 - Effects of denervation on posterior cricoarytenoid muscle physiology and histochemistry, 780
 - Interarytenoid notch height relative to vocal folds. Pilot study, 753
- Mucocele
 - Saccular mucocele in association with laryngeal cancer, 732
- Mucociliary clearance
 - Ciliogenesis and mucus synthesis in cultured human respiratory epithelial cells, 889
 - Effect of S-carboxymethylcysteine on clearance of middle ear effusion. Experimental study, 567
 - Method for in vivo measurement of mucociliary activity in human nose, 558
- Mucosa
 - Lymphocyte migration to middle ear mucosa, 118
 - Olfactory mucosa of patients with olfactory disturbance following head trauma, 279
 - Pathology of olfactory mucosa in patients with Alzheimer's disease, 421
 - Transformation of mucosal secretory elements in chronic maxillary sinusitis after endoscopic sinus surgery, 439
- Muscle
 - Combined thyroplasty type I and inferior constrictor myotomy, 858
 - Comparison of muscle activation patterns in adductor and abductor spasmodic dysphonia, 192
 - Dynamic properties of posterior cricoarytenoid muscle, 937
 - Effect of subglottic pressure on fundamental frequency of canine larynx with active muscle tensions, 817
 - Effects of denervation on posterior cricoarytenoid muscle physiology and histochemistry, 780
 - Function of interarytenoid muscle in canine laryngeal model, 975
 - Laryngeal behavior in unilateral superior laryngeal nerve paralysis, 93
 - Limitations of electromyography and magnetic stimulation for assessing laryngeal muscle control, 16
 - Rib-muscle pedicle flap for repair of congenital tracheal stenosis, 601
 - Transmucosal cricopharyngeal myotomy with potassium-titanyl-phosphate laser in treatment of cricopharyngeal dysmotility, 173
 - Treatment of dysfunction of cricopharyngeal muscle with botulinum A toxin: introduction of new, noninvasive method, 31
 - Use of laryngeal muscular tenotomy for bilateral midline vocal cord fixation, 583
- Mycoplasma
 - Mycoplasma and chlamydia in adenoids and tonsils of children undergoing adenoidectomy or tonsillectomy, 135
- Neck
 - Diagnosis and management of external penetrating cervical esophageal injuries, 863
 - Lymphatic drainage system after left radical neck dissection, 46
 - Pediatric nonendemic Burkitt's lymphoma of head and neck, 238
 - Primary closure of persistent tracheocutaneous fistula in children, 835
- Nerves
 - Age-related changes in pharyngeal and supraglottic sensation, 749
 - Combined thyroplasty type I and inferior constrictor myotomy, 858
 - Distribution of substance P immunoreactive nerve fibers in tracheal submucosal gland of cats, 222
 - Effects of denervation on posterior cricoarytenoid muscle physiology and histochemistry, 780
 - Laryngeal behavior in unilateral superior laryngeal nerve paralysis, 93
 - Limitations of electromyography and magnetic stimulation for assessing laryngeal muscle control, 16
 - Neuropeptide participation in canine laryngeal sensory innervation. Immunohistochemistry and retrograde labeling, 767
 - Osteoma of internal auditory canal. Case report and literature review, 619
 - Preoperatively diagnosed utricular neuroma treated by selective partial labyrinthectomy, 885
 - Restoration of brain stem auditory-evoked potentials by gene transfer in shiverer mice, 449
 - Squamous cell carcinoma metastatic to cerebellopontine angle, 908
 - SuperScope II for use in electrophysiologic recordings, 70
 - Technical approach for reanimation of chronically denervated larynx by means of functional electrical stimulation, 705
 - Three-dimensional development of facial nerve path through ear region in human embryos, 395
 - Treatment of dysfunction of cricopharyngeal muscle with botulinum A toxin: introduction of new, noninvasive method, 31
 - Trigeminal neurinoma, 652
 - Unilateral lower cranial nerve palsies due to spontaneous internal carotid artery dissection, 413
- Neuroendocrine tumor
 - Identification, classification, treatment, and prognosis of laryngeal paraganglioma. Review of literature and eight new

- cases, 525
- Neutrophil**
Neutrophil oxygen metabolite inhibition of cultured chinchilla middle ear epithelial cell growth, 812
- Nitrous oxide**
William Wright, aurist: nineteenth century pneumatic practitioner and discoverer of anesthesia, 483
- Nose**
Changes in cerebrospinal fluid pressure in daily life, 959
Effect of psychic stimulation on plasma catecholamine concentrations and nasal patency in patients with nasal allergy, 375
Endoscopic resection of intranasal frontal sinus floor, 952
Histocytochemistry of glycoconjugates in nasal inverted papilloma, 115
Increase or decrease in nasal airway resistance induced by acetylcholine in anesthetized dogs: vascular mechanisms, 646
Massive concha bullosa masquerading as intranasal tumor, 658
Method for in vivo measurement of mucociliary activity in human nose, 558
Nasal and otologic effects of experimental influenza A virus infection, 59
Nasal dermoid sinus cyst, 615
Non-Hodgkin's lymphomas of nose and paranasal sinuses in pediatric population, 294
Olfactory mucosa of patients with olfactory disturbance following head trauma, 279
Phasic changes in human nasal and skin blood flow: relationship with autonomic tone, 789
Pneumocephalus following nasal polypectomy, 576
Rhinocerebral aspergillosis in patients undergoing bone marrow transplantation, 306
Sarcoma of nasal cavity and paranasal sinuses, 699
Sinonasal lymphomas, 911
- Obituaries**
Maurice Schiff, 420
Emanuel M. Skolnik, 915
- Obstruction**
Interferon alfa-2a therapy for airway hemangiomas, 1
Laryngeal involvement in epidermolysis bullosa, 542
Life-threatening presentations of fibrovascular esophageal and hypopharyngeal polyps, 838
Primary liposarcoma of larynx. Case report and literature review, 315
Subglottic hemangioma: ten years' experience with carbon dioxide laser, 167
- Olfaction**
Olfactory mucosa in patients with olfactory disturbance following head trauma, 279
Pathology of olfactory mucosa in patients with Alzheimer's disease, 421
- Opsonic antibody**
Immune response to *Moraxella catarrhalis* in children with otitis media: opsonophagocytosis with antigen-coated latex beads, 522
- Optokinetic afternystagmus**
Localizing value of optokinetic afternystagmus, 806
- Orbit**
Orbital decompression for Graves' disease complicated by sinusitis, 988
- Osteoma**
Osteoma of internal auditory canal. Case report and literature review, 619
- Osteosarcoma**
Osteosarcoma metastatic to larynx, 160
- Otitis externa**
Indium 111-labeled white blood cell scintigraphy as unreliable indicator of malignant external otitis resolution, 444
- Otitis media**
Bacteriology of chronic suppurative otitis media, 771
Effect of S-carboxymethylcysteine on clearance of middle ear effusion. Experimental study, 567
Immune response to *Moraxella catarrhalis* in children with otitis media: opsonophagocytosis with antigen-coated latex beads, 522
Interleukin-8 gene expression in middle ear effusions, 404
Localization of function in eustachian tube: hypothesis, 311
Neutrophil oxygen metabolite inhibition of cultured chinchilla middle ear epithelial cell growth, 812
Possible role of adenoid mast cells in pathogenesis of secretory otitis media, 632
Preliminary report on L-forms: possible role in infectious origin of secretory otitis media, 434
Recent advances in otitis media. Report of the Fifth Research Conference, suppl 164
Recent advances in otitis media treatment, suppl 163
Statistical model estimating occurrence of otitis media from temporal bone pneumatization, 469
- Otorrhea**
Acute otorrhea: bacteriology of common complication of tympanostomy tubes, 713
- Otosclerosis**
Statistical analysis of otosclerosis surgery performed by Jean Marquet, 945
- Ototoxicity**
Auditory effect of kanamycin given to newborn guinea pigs whose mothers received kanamycin during pregnancy, 983
- Outcome data**
Surgical reporting instrument designed to improve outcome data in head and neck cancer trials, 499
- Palate**
Videoendoscopic diagnosis and correction of velopharyngeal stress incompetence in bassoonist, 595
- Panel reports, Fifth Research Conference on Otitis Media With Effusion**
Anatomy, cell biology, and pathology, suppl 164:20
Complications and sequelae, suppl 164:67
Diagnosis and screening, suppl 164:53
Epidemiology and natural history, suppl 164:9
Eustachian tube and middle ear physiology and pathophysiology, suppl 164:13
Microbiology, immunology, biochemistry, and vaccination, suppl 164:27
New technology: cell culture, suppl 164:44
New technology: molecular biology, suppl 164:46
Treatment, suppl 164:58
- Papilloma**
Acyclovir in treatment of recurrent respiratory papillomatosis. Pilot study, 301
Histocytochemistry of glycoconjugates in nasal inverted papilloma, 115
- Paraganglioma**
Identification, classification, treatment, and prognosis of laryngeal paraganglioma. Review of literature and eight new cases, 525

Paralysis

- Arytenoid separation for impaired pediatric vocal fold mobility, 510
- Arytenoidectomy in children, 271
- Corpectomy versus arytenoidectomy in management of bilateral vocal cord paralysis, 852
- Laryngeal behavior in unilateral superior laryngeal nerve paralysis, 93
- Polymerase chain reaction amplification of herpes simplex viral DNA from geniculate ganglion of patient with Bell's palsy, 775
- Some aspects of vocal fold bowing, 357
- Technical approach for reanimation of chronically denervated larynx by means of functional electrical stimulation, 705
- Three-dimensional motion of arytenoid adduction procedure in cadaver larynges, 265
- Use of laryngeal muscular tenotomy for bilateral midline vocal cord fixation, 583

Parathyroid carcinoma

- Preoperative imaging of parathyroid carcinoma by positron emission tomography, 741

Parotid tumor

- Superiority of magnetic resonance over computed tomography for imaging parotid tumor, 737

Pathology

- See also Pathology Consultation
- Pathology of otitis media, suppl 163:24

Pathology Consultation

- Aneurysmal bone cysts of jaws, 164
- Desmoplastic melanoma, 77
- Extra-abdominal desmoid fibromatosis, 331
- Granular cell tumors, 416
- Hyalinizing cell carcinoma of salivary origin, 746
- Lichen planus and lichenoid lesions of oral cavity, 495
- Proliferative verrucous leukoplakia and verrucous hyperplasia, 660
- Pseudosarcomatous proliferative lesions of soft tissues, 578
- Salivary duct carcinoma, 244
- Sinonasal lymphomas, 911
- Two perplexing skin tumors: microcystic adnexal carcinoma and keratoacanthoma, 829

Peptide

- Neuropeptide participation in canine laryngeal sensory innervation. Immunohistochemistry and retrograde labeling, 767

Perichondrium

- Chondrogenesis by free and vascularized rabbit auricular perichondrium, 901
- Comparison of chondrogenic potential of free and vascularized perichondrium in airway, 9

Perilymph

- Electrocochleography with postural changes in perilymphatic fistula. Animal studies, 474

Peritonsillar abscess

- Peritonsillar abscess: repeated needle aspiration versus incision and drainage, 554

Pneumocephalus

- Pneumocephalus following nasal polypectomy, 576
- Tension pneumocephalus after endoscopic sinus surgery, 235

Polyps

- Life-threatening presentations of fibrovascular esophageal and hypopharyngeal polyps, 838

Positron emission tomography

- Preoperative imaging of parathyroid carcinoma by positron

emission tomography, 741

Posture

- Electrocochleography with postural changes in perilymphatic fistula. Animal studies, 474

Prophylaxis

- Does topical antibiotic prophylaxis reduce post-tympanostomy tube otorrhea? Meta-analysis, 54
- Preventing otitis media, suppl 163:20

Radical neck dissection

- Lymphatic drainage system after left radical neck dissection, 46

Radionuclide

- Technetium 99m(v) dimercaptosuccinic acid SPECT scintigraphy in head and neck tumors, 324

Radiotherapy

- Influence on rabbit submandibular gland injury by stimulation or inhibition of gland function during irradiation. Histology and morphometry after 15 gray, 125

Reconstruction

- Chondrogenesis by free and vascularized rabbit auricular perichondrium, 901
- Composite reconstruction of esophagus and hypopharynx after severe caustic injury, 36
- Fundamental frequency and amplitude perturbation in reconstructed canine vocal folds, 145
- Jejunal graft reconstruction of pharyngoesophageal defects without microvascular anastomoses, 693
- Postnatal development of vestibular aqueduct in relation to internal auditory canal. Computer-aided three-dimensional reconstruction and measurement study, 719
- Torn earlobe: new approach to management with review of 68 cases, 879
- Tracheoesophageal voice following tubed free radial forearm flap reconstruction of neopharynx, 929
- Vascularized fascia as transferable bed for experimental laryngeal reconstruction, 215

Recurrent respiratory papillomatosis

- Acyclovir in treatment of recurrent respiratory papillomatosis. Pilot study, 301

Reflux

- Gastroesophageal reflux disease as likely cause of "idiopathic" subglottic stenosis, 186

Reporting instrument

- Surgical reporting instrument designed to improve outcome data in head and neck cancer trials, 499

Resectoscope

- Ventilating tracheal resectoscope, 676

Rhabdomyosarcoma

- Malignant laryngeal tumors in children: 15-year experience with four patients, 686

Rickets

- Rickets presenting as stridor and apnea, 905

Risk factors

- Preventing otitis media, suppl 163:20
- Risk factors for otitis media sequelae and chronicity, suppl 163:39

Saccular mucocoele

- Saccular mucocoele in association with laryngeal cancer, 732

Salivation

- Hyalinizing cell carcinoma of salivary origin, 746
- Influence on rabbit submandibular gland injury by stimulation or inhibition of gland function during irradiation. Histology

- and morphometry after 15 gray, 125
- Salivary duct carcinoma, 244
- Sarcoma**
 - Leiomyosarcoma of middle ear and temporal bone, 537
 - Management of osteogenic sarcoma of maxilla, 408
 - Primary liposarcoma of larynx. Case report and literature review, 315
 - Pseudosarcomatous proliferative lesions of soft tissues, 578
 - Sarcomas of nasal cavity and paranasal sinuses, 699
- Scintigraphy**
 - Indium 111-labeled white blood cell scintigraphy as unreliable indicator of malignant external otitis resolution, 444
 - Technetium 99m(v) dimercaptosuccinic acid SPECT scintigraphy in head and neck tumors, 324
- Screening**
 - Diagnosis and screening, suppl 164:53
- Sepsis**
 - Lemierre's syndrome: postanginal sepsis due to anaerobic oropharyngeal infection, 208
- Sequelae**
 - See also* Complications
 - Does topical antibiotic prophylaxis reduce post-tympanostomy tube otorrhea? Meta-analysis, 54
 - Nasal and otologic effects of experimental influenza A virus infection, 59
 - Risk factors for otitis media sequelae and chronicity, suppl 163:39
- Sinus**
 - Anatomic considerations in complications of endoscopic and intranasal sinus surgery, 105
 - Applied anatomy of paranasal sinuses with emphasis on endoscopic surgery, suppl 162
 - Cavernous sinus involvement from recurrent adenoid cystic carcinoma, 822
 - Diagnosis of cavernous sinus thrombosis by magnetic resonance imaging using flow parameters, 487
 - Endoscopic resection of intranasal frontal sinus floor, 952
 - Non-Hodgkin's lymphomas of nose and paranasal sinuses in pediatric population, 294
 - Orbital decompression for Graves' disease complicated by sinusitis, 988
 - Sarcomas of nasal cavity and paranasal sinuses, 699
 - Tension pneumocephalus after endoscopic sinus surgery, 235
 - Transformation of mucosal secretory elements in chronic maxillary sinusitis after endoscopic sinus surgery, 439
- Software Review**
 - SuperScope II for use in electrophysiologic recordings, 70
- Spasmodic dysphonia**
 - Comparison of muscle activation patterns in adductor and abductor spasmodic dysphonia, 192
- Spine**
 - Analysis of auditory brain stem response with lidocaine injection into cerebrospinal fluid in rats, 796
 - Pott's disease of cervical spine presenting as deep neck infection, 241
- Staging**
 - New clinical severity staging system for cancer of larynx. Five-year survival rates, 83
 - Surgical reporting instrument designed to improve outcome data in head and neck cancer trials, 499
- Stapedotomy**
 - Statistical analysis of otosclerosis surgery performed by Jean Marquet, 945
- Stenosis**
 - Chronic stenosis of larynx with special consideration of skin grafting, 249
 - Comparison of chondrogenic potential of free and vascularized perichondrium in airway, 9
 - Endoscopic endonasal dacryocystorhinostomy: results in 56 patients, 363
 - Gastroesophageal reflux disease as likely cause of "idiopathic" subglottic stenosis, 186
 - Management of severe congenital tracheal stenosis, 351
 - Proposed grading system for subglottic stenosis based on endotracheal tube sizes, 319
 - Retrograde dilation of postsaccal lacrimal stenosis, 110
 - Rib-muscle pedicle flap for repair of congenital tracheal stenosis, 601
- Stridor**
 - Arytenoidectomy in children, 271
 - Innominate artery compression of trachea in infants, 347
 - Laryngeal involvement in epidermolysis bullosa, 542
 - Rickets presenting as stridor and apnea, 905
- Sulcus vocalis**
 - Some aspects of vocal fold bowing, 357
 - Spindle-shaped glottal insufficiency with and without sulcus vocalis: retrospective study, 547
- Survival**
 - New clinical severity staging system for cancer of larynx. Five-year survival rates, 83
- Sustained release**
 - Sustained release of antimicrobials in middle ear using biodegradable support, suppl 163:46
- Swallowing**
 - See also* Dysphagia
 - Combined thyroplasty type I and inferior constrictor myotomy, 858
 - Interarytenoid notch height relative to vocal folds. Pilot study, 753
 - Meditation on pathogenesis of hypopharyngeal (Zenker's) diverticulum and report of endoscopic treatment in 545 patients, 178
 - Value of radiography in management of possible fishbone ingestion, 628
- Syndromes**
 - Klippel-Feil syndrome associated with malformed larynx. Case report, 201
 - Lemierre's syndrome: postanginal sepsis due to anaerobic oropharyngeal infection, 208
 - Results from four cochlear implant patients with Usher's syndrome, 285
- Teflon**
 - Statistical analysis of otosclerosis surgery performed by Jean Marquet, 945
 - Videoendoscopic diagnosis and correction of velopharyngeal stress incompetence in bassoonist, 595
- Tenotomy**
 - Use of laryngeal muscular tenotomy for bilateral midline vocal cord fixation, 583
- Tongue**
 - Healing of incisions in tongue: comparison of results with milliwatt carbon dioxide laser tissue welding versus suture repair, 964
 - Lingual abscess, 983
- Tonsil**
 - Mycoplasma and chlamydia in adenoids and tonsils of children undergoing adenoidectomy or tonsillectomy, 135

- Peritonsillar abscess: repeated needle aspiration versus incision and drainage, 554
- Trachea**
- Innominate artery compression of trachea in infants, 347
 - Management of severe congenital tracheal stenosis, 351
 - Primary closure of persistent tracheocutaneous fistula in children, 835
 - Tracheomalacia caused by arterial compression in esophageal atresia, 516
 - Tracheotomy and role of postoperative chest radiography in adult patients, 665
 - Ventilating tracheal resectoscope, 676
- Trauma**
- Diagnosis and management of external penetrating cervical esophageal injuries, 863
 - Torn earlobe: new approach to management with review of 68 cases, 879
- Traveling wave velocity**
- Noninvasive measurement of traveling wave velocity in canine larynx, 758
- Treatment, suppl 164:58**
- Trigeminal neurinoma, 652**
- Tuberculosis**
- Pott's disease of cervical spine presenting as deep neck infection, 241
- Tympanometry**
- Tympanometric evaluation of middle ear function in children with otitis media, suppl 163:34
- Tympanostomy tubes**
- Acute otorrhea: bacteriology of common complications of tympanostomy tubes, 713
 - Does topical antibiotic prophylaxis reduce post-tympanostomy tube otorrhea? Meta-analysis, 54
 - Surgical advances in treating otitis media, suppl 163:49
 - Tympanic membrane perforations and tympanostomy tubes, suppl 163:27
- Ventilation**
- Complication of jet ventilation during microlaryngeal surgery, 624
 - Ventilating tracheal resectoscope, 676
- Verrucous hyperplasia**
- Proliferative verrucous leukoplakia and verrucous hyperplasia, 660
- Vestibule**
- Abnormal enhancement in region of vestibular aqueduct on magnetic resonance imaging in cerebellopontine angle meningioma, 72
- Distribution of cytokeratins in vestibular epithelium of guinea pig, 149**
- Does intracochlear implantation jeopardize vestibular function? 609**
- Localizing value of optokinetic afternystagmus, 806**
- Postnatal development of vestibular aqueduct in relation to internal auditory canal. Computer-aided three-dimensional reconstruction and measurement study, 719**
- Videoendoscopy**
- Videoendoscopic diagnosis and correction of velopharyngeal stress incompetence in bassoonist, 595
- Virus**
- Nasal and otologic effects of experimental influenza A virus infection, 59
 - Polymerase chain reaction amplification of herpes simplex viral DNA from geniculate ganglion of patient with Bell's palsy, 775
- Voice**
- Acoustic analysis of vocal instability in cerebellar dysfunctions, 98
 - Arytenoid separation for impaired pediatric vocal fold mobility, 510
 - Change in glottal area associated with increasing airflow, 139
 - Comparison of aerodynamic and electroglottographic parameters in evaluating clinically relevant voicing patterns, 335
 - Comparison of muscle activation patterns in adductor and abductor spasmodic dysphonia, 192
 - Effect of subglottic pressure on fundamental frequency of canine larynx with active muscle tensions, 817
 - Function of interarytenoid muscle in canine laryngeal model, 975
 - Fundamental frequency and amplitude perturbation in reconstructed canine vocal folds, 145
 - Metastatic calcification of true vocal cords as cause of hoarseness, 849
 - Noninvasive measurement of traveling wave velocity in canine larynx, 758
 - Tracheoesophageal voice following tubed free radial forearm flap reconstruction of neopharynx, 929
- Window laryngoplasty**
- "Window" laryngoplasty: new combined laser endoscopic and open technique for conservation surgery, 679
- Wound healing**
- Healing of incisions in tongue: comparison of results with milliwatt carbon dioxide laser tissue welding versus suture repair, 964

